IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended)   A system for concurrently displaying respective images representing real-time data and non-real-time data, comprising:

a source of signals representing real-time data;

a source of signals representing non-real-time data;

a display device for displaying images;

a processor, ~~directly~~ coupled to the real-time data source, the non- real-time data source and the display device, the processor:

executing a windowing operating system controlling the operation of an application program for receiving non-real-time data and conditioning the display device to display an image representing the non-real-time data; and

executing a real-time display process, ~~independent of the execution of the operating system~~ for receiving the real-time data and conditioning the display device to display an image representing the real-time data concurrently with the display of the non-real-time data; the execution of the real-time display process being independent of the execution of the operating system.

2. (Currently Amended)   ~~The~~ A system ~~of claim 1,~~ for concurrently displaying respective images representing real-time data and non-real-time data, comprising:

a source of signals representing real-time data;

a source of signals representing non-real-time data;

a display device for displaying images;

a processor, coupled to the real-time data source, the non- real-time data source and the display device, the processor:

executing a windowing operating system controlling the operation of an application program for receiving non-real-time data and conditioning the display device to display an image representing the non-real-time data; and

executing a real-time display process, for receiving the real-time data and conditioning the display device to display an image representing the real-time data concurrently with the display of the non-real-time data; the execution of the real-time display process being independent of the execution of the operating system,

wherein the real-time data signal source is a network with a specified latency limit; and

the real-time display process receives the real-time data and displays the real-time data representative image within the specified latency limit.

3. (Currently Amended)   ~~The~~ A system ~~of claim 1,~~ for concurrently displaying respective images representing real-time data and non-real-time data, comprising:

a source of signals representing real-time data;

a source of signals representing non-real-time data;

a display device for displaying images;

a processor, coupled to the real-time data source, the non- real-time data source and the display device, the processor:

executing a windowing operating system controlling the operation of an application program for receiving non-real-time data and conditioning the display device to display an image representing the non-real-time data; and

executing a real-time display process, for receiving the real-time data and conditioning the display device to display an image representing the real-time data concurrently with the display of the non-real-time data; the execution of the real-time display process being independent of the execution of the operating system wherein the real-time display process operates as a single thread.

4. (Original)   The system of claim 3 wherein the real-time display process thread is assigned a priority higher than the application program:

5. (Original)   The system of claim 3 wherein:

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the windowing operating system provides a graphics display interface for conditioning the display device to display a specified image; and

the real-time display process thread provides instructions to the graphics display interface to display the real-time image.

6. (Currently Amended)   ~~The~~ A system ~~of claim 1,~~ for concurrently displaying respective images representing real-time data and non-real-time data, comprising:

a source of signals representing real-time data;

a source of signals representing non-real-time data;

a display device for displaying images;

a processor, coupled to the real-time data source, the non- real-time data source and the display device, the processor:

executing a windowing operating system controlling the operation of an application program for receiving non-real-time data and conditioning the display device to display an image representing the non-real-time data; and

executing a real-time display process, for receiving the real-time data and conditioning the display device to display an image representing the real-time data concurrently with the display of the non-real-time data; the execution of the real-time display process being independent of the execution of the operating system, wherein the application program may malfunction such that the non- real-time data representative image obscures the real-time data representative image;

the system further comprises a source of user input signals; and

the processor, in response to a user input signal, reveals the real-time data representative image.

7. (Original)   The system of claim 6, wherein the user input signal source comprises a keyboard, and the user input signal comprises a key combination.

8. (Original)   The system of claim 6, wherein the user input signal source comprises a mouse, and the user input signal comprises a mouse click.

9. (Currently Amended)   ~~The~~ A system ~~of claim 1,~~ for concurrently displaying respective images representing real-time data and non-real-time data, comprising:

a source of signals representing real-time data;

a source of signals representing non-real-time data;

a display device for displaying images;

a processor, coupled to the real-time data source, the non- real-time data source and the display device, the processor:

executing a windowing operating system controlling the operation of an application program for receiving non-real-time data and conditioning the display device to display an image representing the non-real-time data; and

executing a real-time display process, for receiving the real-time data and conditioning the display device to display an image representing the real-time data concurrently with the display of the non-real-time data; the execution of the real-time display process being independent of the execution of the operating system, wherein the windowing operating system maintains information relating to the availability of resources; and

the processor further executes a monitor process for monitoring the resource information and for taking corrective action if the resource information indicate that the availability of a resource is below a predetermined level.

10. (Original) The system of claim 9 wherein the resource information maintained by the windowing operating system maintains comprises information related to:

memory resources;

system resources;

computer resources; and

process resources.

11. (Original) The system of claim 9 wherein the corrective action taken by the processor comprises:

modifying execution parameters of the application program;

terminating the application program; and

sending a notification to the user.

12. (Original) A method for concurrently displaying respective images representing real-time data and non-real-time data, comprising the steps of:

receiving non-real-time data;

receiving real-time data;

executing a windowing operating system for controlling the operation of an application program responsive to the non-real-time data, for conditioning a display device to display respective images representing the non-real-time data;

executing a real-time display process, independently of the windowing operating system, for conditioning the display device to display respective images representing the real-time data concurrently with the display of the non-real-time data.

13. (Currently Amended)   ~~The~~ A method ~~of claim 12~~ for concurrently displaying respective images representing real-time data and non-real-time data, comprising the steps of:

receiving non-real-time data;

receiving real-time data;

executing a windowing operating system for controlling the operation of an application program responsive to the non-real-time data, for conditioning a display device to display respective images representing the non-real-time data;

executing a real-time display process, independently of the windowing operating system, for conditioning the display device to display respective images representing the real-time data concurrently with the display of the non-real-time data and further comprising the step of executing the real-time display process as a single thread.

14. (Original) The method of claim 13 further comprising the step of assigning the real-time display process thread a higher priority than the application program.

15. (Original) The method of claim 13 wherein the windowing operating system execution step comprises the step of executing a graphics display interface to receive instructions for generating images; and

the real-time display process execution step comprises the step of providing instructions to the graphics display interface to display the respective images representing the real-time data

16. (Currently Amended)   ~~The~~ A method ~~of claim 12~~ for concurrently displaying respective images representing real-time data and non-real-time data, comprising the steps of:

receiving non-real-time data;

receiving real-time data;

executing a windowing operating system for controlling the operation of an application program responsive to the non-real-time data, for conditioning a display device to display respective images representing the non-real-time data;

executing a real-time display process, independently of the windowing operating system, for conditioning the display device to display respective images representing the real-time data concurrently with the display of the non-real-time data and further comprising the steps of, if the application program malfunctions such that the non-real-time data representative image obscure the real-time data representative image:

receiving user input data; and

revealing the real-time representative data in response to the user input data.

17. (Original) The method of claim 16 wherein the step of receiving user input data comprises the step of receiving a key combination from a keyboard.

18. (Original) The method of claim 16 wherein the step of receiving user input data comprises the step of receiving a mouse click from a mouse.

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19. (Currently Amended)   ~~The~~ A method ~~of claim 12~~ for concurrently displaying respective images representing real-time data and non-real-time data, comprising the steps of:

receiving non-real-time data;

receiving real-time data;

executing a windowing operating system for controlling the operation of an application program responsive to the non-real-time data, for conditioning a display device to display respective images representing the non-real-time data;

executing a real-time display process, independently of the windowing operating system, for conditioning the display device to display respective images representing the real-time data concurrently with the display of the non-real-time data wherein:

the step of executing the windowing operating system comprises the step of maintaining information relating to the availability of resources; and the method further comprises the step of:

executing a monitor process for monitoring the resource information; and

taking corrective action if the resource information indicates that the availability of a resource is below a predetermined level.

20. (Original) The method of claim 19 wherein the step of monitoring the resource information comprises the steps of:

monitoring memory resources;

monitoring system resources;

monitoring computer resources; and

monitoring process resources.

21. (Original) The method of claim 19 wherein the step of taking correcting action comprises the steps of:

modifying execution parameters of the application program;

terminating the application program; and

sending a notification to the user.